

USING APPLICATION HEADERS TO DETERMINE
INFINIBAND™ PRIORITIES IN AN
INFINIBAND™ NETWORK

ABSTRACT OF THE DISCLOSURE

A router is configured for sending and receiving data packets on an InfiniBand™ network. The router is configured to receive a network layer data packet having a transport header having an application identifier indicative of application layer priority data of the network layer packet. The router includes a mapping table having multiple entries, each entry specifying an application identifier and a corresponding service level. A controller is configured for parsing the transport header and determining the service level for the application identifier. The controller outputs the network layer packet on the InfiniBand™ network within an InfiniBand™ packet according to the determined service level.